Index of Claims

| Application No.  | Applicant(s)  |  |
|------------------|---------------|--|
| 09/502,377       | TOBIAS ET AL. |  |
| Examiner         | Art Unit      |  |
| Thu Ha T. Nguyen | 2155          |  |

| / | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| N | Non-Elected  | Α |  |
|---|--------------|---|--|
| ı | Interference | 0 |  |

Thu Ha T. Nguyen

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla             | aim                |  |                 |   | - (      | Date   | e_   |  |   |          | Clá          | im          |                 |           |          |          | Date     | ,        |          |          | ]       |                | laim       | Γ              |  | •                | [              | Date     | 3        |          |          |          |
|-----------------|--------------------|--|-----------------|---|----------|--|--|--|---|----------|--------------|-------------|-----------------|-----------|----------|----------|----------|----------|----------|----------|---------|----------------|------------|----------------|--|------------------|----------------|----------|----------|----------|----------|----------|
|                 | -                  |  |                 |   |          |  |  |  |   |          |              | <del></del> |                 |           |          |          |          |          |          |          |         |                | <u>~</u>   |                |  |                  |                |          |          |          |          |          |
| Final           | Original           | 1/19/05  | 6/25/05         |   |          |  |  |  |   |          | Final        | Original    |                 |           | - 1      | - 1      |          |          |          |          |         | Final          | Original   |                | ŀ  |                  |                |          |          |          |          |          |
| iĒ              | <u>`</u> Ĕ         | =======================================          | 6/2             |   |          |  |  |  |   |          | iĒ           | Ę           |                 |           | Į        | -        |          |          |          | 1        |         | 证              | हॅ         |                |  |                  |                |          |          |          |          |          |
|                 |                    |  |                 |   |          |  |  |  | Ш                                       |          |              |             |                 |           | i        | _        |          | _        | _        |          | _       |                |            | _              | <u> </u>                                     | L                |                |          |          | $\perp$  |          |          |
| 1               | 0                  | 1  | =               |   | <u> </u> | L  | _  |  | Ш                                       |          |              | 51          |                 |           |          | _        | _        | _        | _        | $\perp$  | _       |                | 101        | 丄              | ㄴ  | L                |                |          |          | _        | _        | _        |
| 2               | 2                  | 1  | =               |   | <u> </u> |  |  |  | Ш                                       |          |              | 52          | Ш               |           | _        | _        |          | _        | _        |          | _       |                | 102        | ┖              | 上  |                  |                |          |          | $\dashv$ |          | _        |
| 4               | 3                  | 1  | =               |   | 乚        | L  |  | _  | Ш                                       |          |              | 53          |                 |           |          | _        | $ \bot $ | _        | _        |          | _       |                | 103        | _              | 乚  | ㄴ                |                |          |          | $\dashv$ | _        | _        |
| 3               | 4                  | 1  | =               |   | L        | L  | L.   | L  | $\sqcup$                                | _        |              | 54          |                 |           | _        | _        |          | _        | _        |          | _       |                | 104        | ↓_             | <u> </u>                                     | L                |                |          |          | _        | _        |          |
| 5               | 5                  | 1  | =               |   |          |  |  |  | -                                       | _        |              | 55          |                 |           |          |          |          | _        | _        | _        | _       |                | 105        | _              | ļ  | _                |                |          |          | _        | _        |          |
| 6               | 6                  | 1  | =               |   | ↓        | _  |  | _  | $\vdash$                                | _        |              | 56          | L               |           |          |          | _        | -        | $\dashv$ | 4        | -       |                | 106        | +              | ▙  | <u> </u>         |                |          |          | $\dashv$ | _        | _        |
| 7               | 7                  | 1  | =               |   | ⊢        | <u> </u>   | $\vdash$   | ┝  | $\vdash$                                | _        |              | 57          | Ш               | Н         | _        | $\dashv$ | _        | -        |          |          | 4       |                | 107        | ├-             | ⊢  | <u> </u>         |                | _        |          | -        | $\dashv$ | _        |
| 8               | 8                  | 1  | =               |   | ├        | _  |  | <u> </u>   | $\vdash$                                |          | <b></b>      | 58          | $\vdash$        |           |          | $\dashv$ | $\dashv$ | -+       | +        | -        | 4       |                | 108        | 1              | ┝  | ⊢                |                |          | -        | $\dashv$ | -        | $\dashv$ |
| 9               | 9                  | 1  | =               |   | <u> </u> |  | -  |  | $\vdash$                                |          |              | 59          |                 |           | -        |          |          | -+       | -        |          | -       |                | 109        | ╁-             | ├  | <u> </u>         |                |          | _        | $\dashv$ | -        | $\dashv$ |
| 10              | 10                 | 1  | =               |   | ├        | $\vdash$   | $\vdash$   | ⊢  | $\vdash$                                | $\dashv$ | $\vdash$     | 60          | $\vdash$        | $\vdash$  |          |          |          | -+       | -        |          | -       | _              | 110        | ┼-             | <del> </del>                                 | $\vdash$         | <u> </u>       | $\vdash$ |          | $\dashv$ | $\dashv$ |          |
| 11              | 11                 | 1  | =               |   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$                                | $\dashv$ | <u> </u>     | 61<br>62    | $\vdash\vdash$  | -         |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | -       | <u> —</u>      | 111        | ╀              | $\vdash$                                     | $\vdash$         |                | H        | H        | $\dashv$ | $\dashv$ | $\dashv$ |
| 12<br>13        | (2)<br>13          | 1  | =               |   | <b></b>  | ┢╌   |  | -  | $\vdash$                                |          | <b></b>      | 63          | ┢╼╢             | $\vdash$  | 1        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | -       | ⊢              | 112<br>113 | ╁              | ⊢  | $\vdash$         | Н              | H        | Н        | -        | $\dashv$ | $\dashv$ |
| 15              | 14                 | 1  | =               |   | ├        | $\vdash$   | -  |  | $\vdash$                                | $\dashv$ | <del> </del> | 64          | Н               | $\vdash$  | -        | $\dashv$ | $\dashv$ | -        | +        | +        | -       | $\vdash$       | 113        | ┿              | <del>  -</del>                               | -                | Н              | $\vdash$ | $\vdash$ | -+       | $\dashv$ | $\dashv$ |
| 14              | 15                 | 1  | =               |   | $\vdash$ | ├-   | $\vdash$   | -  | H                                       | $\dashv$ | $\vdash$     | 65          | $\vdash$        | $\vdash$  |          | -        | -        | -+       | -        | +        | 4       |                | 115        | ╁              | $\vdash$                                     | <del>  -  </del> | $\vdash$       | H        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
| 16              | 16                 | 1  | =               | _ | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$                                |          | $\vdash$     | 66          | $\vdash$        | $\vdash$  | $\dashv$ | -        |          | -        | -+       |          | -       |                | 116        | +              | $\vdash$                                     | +-               | $\vdash\vdash$ | H        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
| 17              | 17                 | 1  | =               | _ | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | H                                       | $\dashv$ | <del> </del> | 67          | $\vdash \vdash$ | $\vdash$  | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | +        | -       | -              | 117        | +              | $\vdash$                                     | ┼─               | $\vdash$       | <u> </u> | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| 18              | 18                 | V  | =               |   | $\vdash$ | ┢  |  | $\vdash$   | Н                                       | $\dashv$ | <b></b>      | 68          | -               | $\vdash$  | ┪        | -        |          | $\dashv$ | $\dashv$ |          | -       |                | 118        | +              | ┢  | H                |                |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
| 19              | 19                 | V  | =               |   | ╁╴       | <del>                                     </del> |  | $\vdash$   | ╆╌┼                                     | $\dashv$ |              | 69          | $\vdash$        | $\vdash$  | _        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | +        | Ⅎ᠁      | $\vdash$       | 119        | +              | H  | t                | -              |          |          | $\dashv$ | ᅥ        | $\dashv$ |
| 20              | 20                 | V  | =               |   | $\vdash$ | $\vdash$   | -  | -  | $\vdash$                                |          |              | 70          |                 | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 1       | _              | 120        | +              | $\vdash$                                     | $\vdash$         |                |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| 21              | 21                 | V  | =               |   | $\vdash$ | $\vdash$   |  | ┢  | H                                       |          |              | 71          |                 |           | +        |          |          | $\dashv$ | +        | +        | ┨       | _              | 121        | +              | $\vdash$                                     | $\vdash$         |                |          | $\vdash$ | $\vdash$ | $\dashv$ | -        |
| 22              | 22                 | V  | =               |   | ╁╌       |  | -  | $\vdash$   | $\vdash$                                | 一        |              | 72          | Н               | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | +        | -{::::  |                | 122        | +              |  | ╁╴               |                | _        | $\vdash$ | $\dashv$ | -        |          |
| 23              | 22<br><b>(</b> 23) | V  | =               |   | <u> </u> | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$                                | $\dashv$ |              | 73          |                 | $\vdash$  | _        | _        | $\neg$   | 十        | -        | +        | ۱       |                | 123        | +              | 1  | $\vdash$         | -              | _        |          | $\dashv$ | ᅥ        |          |
|                 | 24                 |  |                 |   | t        |  | 1  |  |   | $\neg$   |              | 74          | <b>-</b>        | $\dashv$  |          | _        | $\vdash$ |          | $\dashv$ | _        | ┧       |                | 124        | ${}^{\dagger}$ | ╁  | $\vdash$         |                |          |          | $\dashv$ | $\neg$   |          |
|                 | 25                 | $\vdash$   | П               |   | i –      | Т  | T  | $\vdash$   |   | _        |              | 75          |                 | $\Box$    | 一        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ |          | 7       |                | 125        | $\top$         | $\vdash$                                     | ╁                |                |          |          | $\dashv$ | $\dashv$ |          |
|                 | 26                 |  |                 |   |          |  |  |  | $\Box$                                  | 一        |              | 76          |                 | П         | 寸        | $\neg$   |          | $\neg$   | $\top$   |          | 1       |                | 126        | T              |  | T                |                |          |          |          | $\neg$   | $\neg$   |
|                 | 27                 |  |                 |   | t        |  |  |  |   | $\neg$   |              | 77          |                 | П         |          | ヿ        |          | _        | 7        |          | 7       |                | 127        | t              | t  | T                |                |          |          | T        | T        |          |
|                 | 28                 |  |                 |   |          |  |  |  | П                                       | $\neg$   |              | 78          |                 |           |          | ヿ        |          |          |          |          | 7       |                | 128        | 1              | T  |                  |                |          |          | T        |          |          |
|                 | 29                 |  |                 |   |          | <u> </u>   |  |  |   | $\neg$   |              | 79          |                 |           |          |          |          | $\neg$   | $\neg$   |          | 7       |                | 129        |                | T  | <u> </u>         |                |          |          | $\neg$   | $\Box$   |          |
|                 | 30                 |  |                 |   |          |  |  |  |   |          |              | 80          |                 |           |          |          |          |          |          |          |         |                | 130        | T              | Π  |                  |                |          |          |          |          |          |
|                 | 31                 |  |                 |   |          |  |  |  |   |          |              | 81          |                 |           |          |          |          |          |          |          |         |                | 131        |                |  |                  |                |          |          |          |          |          |
|                 | 32                 | L  |                 |   |          |  |  |  |   |          |              | 82          |                 |           |          |          |          |          |          |          |         |                | 132        |                |  |                  |                |          |          |          |          |          |
|                 | 33                 |  | Ш               |   | L        | <u> </u>   | L  |  | Ш                                       |          | <u> </u>     | 83          | Ш               |           | _        | $\Box$   |          |          |          |          | _       | <u></u>        | 133        |                | L  |                  |                |          |          | $\Box$   |          |          |
|                 | 34                 | $\vdash$   | L               |   | Щ        | <u> </u>   | Щ  | L_   | $\sqcup$                                |          | <u> </u>     | 84          | Ш               | Ш         |          | _        |          | _        |          | 4.       | _       |                | 134        |                | $\vdash$                                     | $oxed{oxed}$     |                |          | Ш        | $\Box$   |          |          |
| <u> </u>        | 35                 | <u> </u>   | Щ               |   | ـــــ    | <u> </u>   | <u> </u>   | <u> </u>   | Ш                                       |          | igsqcup      | 85          | Ш               |           |          |          | $\Box$   | ļ        | $\perp$  | $\perp$  | _       | <u> </u>       | 135        | 1              | <u> </u>                                     | <u> </u>         | Ш              | L        |          | $\sqcup$ |          |          |
| <u> </u>        | 36                 | <u> </u>   | Щ               |   | <u> </u> | <u> </u>   | <u> </u>   | _  | Ш                                       |          | <u> </u>     | 86          | Ш               | $\Box$    | _        | _        | $\sqcup$ | _        | _        | _        | 4       | <u> </u>       | 136        | -              | ऻ_   | <del> </del>     | Ш              | L.,      | Ш        | $\dashv$ |          |          |
| ļ               | 37                 | <u> </u>   | Щ               |   | L_       | <u> </u>   | Щ  | _  | Ш                                       |          | <b>_</b>     | 87          | Щ               | $\sqcup$  |          |          | $\sqcup$ | _        | _        | $\bot$   | 4       | <u> </u>       | 137        | _              | $\vdash$                                     | ↓_               | Ш              | Ш        | Ш        | $\dashv$ |          |          |
| <u> </u>        | 38                 | <u> </u>   | Щ               |   | L_       | <u> </u>   | Ш  | <u> </u>   | $\sqcup$                                |          | L            | 88          | Щ               | $\square$ |          | _        |          | _        | _        | 4        | 4       | <u> </u>       | 138        | ↓_             | $oxed{oxed}$                                 | ┞.               | Ш              |          | Щ        | $\dashv$ | $\Box$   | $\Box$   |
| <u> </u>        | 39                 | <u> </u>   | Н               | _ | ├        | -  | Н  | ├-   | $\vdash \dashv$                         |          | <u> </u>     | 89          | Н               | $\sqcup$  | _        | _        | $\dashv$ |          | _        | 4        | -       | <u> </u>       | 139        | ╄              | ļ  | ــ               | Ш              | Ш        | Щ        | _        | _        |          |
| <del></del>     | 40                 | ├—   | Н               |   | <u> </u> | ├  | Н  | <u> </u>   | $\vdash$                                | $\dashv$ |              | 90          | $\vdash$        |           | _        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | 4       | <u> </u>       | 140        | ┼              | <del> </del>                                 | ⊢                | $\vdash$       | <u> </u> |          | $\dashv$ | _        | $\dashv$ |
| <u> </u>        | 41<br>42           | ├—   | $\vdash$        |   | ├        | <u> </u>   | Н  | ├-   | -                                       | $\dashv$ | ļ            | 91          | Н               | $\dashv$  | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | -       | <u> </u>       | 141        | ┼              | $\vdash$                                     | $\vdash$         | Ш              | $\vdash$ | Ш        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>        |                    | -  | $\vdash \vdash$ |   | Η.       | <u> </u>   |  | ⊢  | $\vdash$                                | $\dashv$ | <u> </u>     | 92          | $\vdash$        | $\vdash$  |          |          | $\dashv$ | -        | $\dashv$ | +        | -       | ├              | 142        |                | ├-   | ├                | $\vdash$       | <u> </u> |          | $\dashv$ |          | $\dashv$ |
| <u> </u>        | 43<br>44           | -  | $\vdash$        | _ | $\vdash$ | ┢  | Н  | ├  | $\vdash$                                |          | <b> </b>     | 93<br>94    | Н               | $\dashv$  |          |          | $\dashv$ | -+       | $\dashv$ | +        | -       | ├─             | 143<br>144 | +-             | $\vdash$                                     | $\vdash$         | $\vdash$       | Н        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>        | 45                 | $\vdash$   | $\vdash$        |   | -        |  | Н  | $\vdash$   | ├┤                                      | $\dashv$ | $\vdash$     | 95          | Н               |           |          | -        | $\dashv$ | -+       | -+       | +        | 1       | ├—             | 144        | +-             | <del> </del>                                 | ⊢                | H              |          | H        | $\dashv$ | $\dashv$ | $\dashv$ |
| <b>-</b>        | 46                 |  | $\vdash$        |   | $\vdash$ | $\vdash$   | Н  | ├  | ┝╌┤                                     | ᅱ        | <u> </u>     | 96          | $\vdash$        | $\dashv$  | $\dashv$ | $\dashv$ |          | +        | $\dashv$ | +        | -       | <del>  -</del> | 145        | ╁              | <del> </del>                                 |                  | Н              |          | $\vdash$ | -+       | $\dashv$ | $\dashv$ |
| <del></del>     | 47                 | <del> </del>                                     | H               |   | H        | $\vdash$   | $\vdash$   | $\vdash$   |   | $\dashv$ | -            | 97          | Н               |           | -        | $\dashv$ | $\vdash$ | $\dashv$ | +        | 十        | -       | ┝╌             |            | ╁              | $\vdash$                                     | $\vdash$         | Н              | H        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|                 | 48                 | -  | $\vdash$        |   | $\vdash$ |  |  | -  | $\vdash$                                | $\dashv$ | -            | 98          | Н               | $\dashv$  | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$ | +        | +        | -       | $\vdash$       | 148        | +-             | $\vdash$                                     | -                | $\vdash$       | -        | $\vdash$ | -        | $\dashv$ | $\dashv$ |
|                 | 49                 | $\vdash$   | Н               |   | $\vdash$ |  | Н  |  |   | $\dashv$ | $\vdash$     | 99          | $\vdash$        |           | +        |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | 1       | <del> </del>   | 149        | +              | $\vdash$                                     | $\vdash$         | $\vdash$       | H        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash \vdash$ | 50                 | <del>                                     </del> | $\vdash$        | _ | $\vdash$ |  | $\vdash$   | $\vdash$   | Н                                       | $\dashv$ | $\vdash$     | 100         | $\vdash$        |           | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | 1       | $\vdash$       | 150        | $\vdash$       | $\vdash$                                     | $\vdash$         | $\vdash$       | -        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>        | -50                | Ц_   | ш               |   | 1        | L  | لـــا  |  | نــــــــــــــــــــــــــــــــــــــ |          | <br>Ц        | 100         |                 | Щ.        |          |          |          |          |          |          | _]::::: | Щ.             | 100        | L              | <u>.                                    </u> | Ц.,              | الل            | لـــا    | ш        |          |          |          |